

Specification:

Title: Change to – The additional planetary transmission for a bicycle and Method of getting high riding speed, due to the interaction between transmissions

[ System and Method of getting, for a bicycle and other pedal-driven vehicles, mechanical energy output exceeding muscular energy input, due to the gravitational lever]

Page 1, (extends to page 2) replace with the following new paragraph:

-The present invention is based on the experimental data of conversion of gravity into mechanical rotation energy, which are approved by USA Patents 5,667,038; 5,921,133A; 6,363,804 B1; 6,601,478B on the base of video tapes.

-The result of these experiments is a discovery of a specific gravity, which decreases in a negative zone of free rotation and increase in positive (active) zone of rotation.

Page 2 (extends to “Summery of the invention”) replace with the following new paragraph:

-In the present invention the function of a gravitational Lever is carried out by a special pedal having thereon an unbalanced mass as a source of gravitational energy and planetary mechanism, which increases bicycle's riding speed spending the same muscular energy (a gravitational Lever, as a special part of the pedal).

The transmission of a new speedy bicycle was tested in a laboratory since 1999, after the patent No 5,921,133 was published. The result of reaching riding speed around 35 MPH by a non-professional bicyclist and even not a young person shows that a first step toward large-scale production of such bicycles is done.

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(The positive results are the first steps toward large-scale production of new pedal-driven vehicles)

Page 2, (extends to pages 3,4) replace with the following new sections:

### Summary of the Invention

-Accordingly, it is an object of the present invention to provide a new additional planetary transmission for a bicycle and Method of getting high riding speed, due to the interaction between transmissions. (System and method of getting for a bicycle and other pedal-driven vehicles, mechanical energy output exceeding muscular energy input due to the gravitational lever)

-In keeping with these objectives and with others, which will become apparent hereinafter, one feature of the present invention resides, briefly stated in the additional planetary transmission for a bicycle and Method of getting high riding speed, due to the interaction between transmissions, which have first rotatable unbalanced element, as a receiver of power from two different sources of energy, such as a foot's muscular energy and gravitational energy of its unbalanced part and converts that energy into rotational mechanical energy for transmission of the driving power, via a second one-way directional element and a third opposing rotatable element to a driving sprocket of a bicycle, (to a driving sprocket of a vehicle) which is fixed to a third element and freely rotates with it on a crank's axle, for transmission of the driving power, via the chain to a freewheel and then to a drive wheel of a bicycle where it is in the course of normal motion from the pedals.